



CERTIFICATE OF MAILING  
37 C.F.R. 1.8

I her by certify that this correspond nce is b ing deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commission r for Patents, Washington, DC 20231, on th date b low:

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Signature

#4  
JAN 24 2002  
TECH CENTER 1600/2900  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Lieven Stuyver  
Joost Louwagie  
Rudi Rossau

Serial No.: 09/943,983

Filed: August 31, 2001

For: METHOD FOR DETECTION OF DRUG-  
INDUCED MUTATIONS IN THE  
REVERSE TRANSCRIPTASE GENE

Confirmation No.: 2800

Group Art Unit: 1656

Examiner: To be assigned

Atty. Dkt. No.: 11362.0008.DVU002

RECEIVED  
JAN 22 2002  
TECHNOLOGY CENTER 2800

STATEMENT AS REQUIRED UNDER 37 C.F.R. § 1.825(a) AND (b)  
AND STATEMENT AS REQUIRED UNDER 37 C.F.R. § 1.821(g)

**BOX SEQUENCE**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith is a substitute computer readable form and a substitute paper copy of the sequence listing of those sequences in the captioned patent application, wherein minor errors have been corrected. The substitute computer readable form of the sequence listing is the same as the substitute paper copy of the sequence listing. The sequence information provided in the Specification is also the same as the sequence listing of the enclosed substitute computer

Please direct all future communications regarding this application as follows:

Matthew L. Madsen  
HOWREY SIMON ARNOLD & WHITE, LLP  
750 Bering Drive  
Houston, Texas 77057-2198  
(713) 787-1400

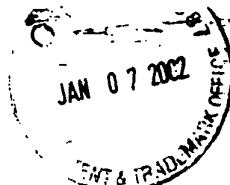
Respectfully submitted,



Patricia A. Kammerer  
Reg. No. 29,775  
Attorney for Assignee  
INNOGENETICS N.V.

HOWREY SIMON ARNOLD & WHITE, LLP  
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Houston, Texas 77057-2198  
(713) 787-1400

Date: Nov. 5, 2001



# Raw Sequence Listing Error Summary

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## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

09/943,983

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>      Sequence(s) 1-28 (and more) missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



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## RAW SEQUENCE LISTING

DATE: 09/20/2001

PATENT APPLICATION: US/09/943,983

TIME: 13:08:01

Input Set : A:\ES.txt

Output Set: N:\CRF3\09202001\I943983.raw

Does Not Comply  
Corrected Diskette Needed  
*pp 1-5*

3 <110> APPLICANT: Stuyver, Lieven  
4 Louwagie, Joost  
5 Rossau, Rudi  
7 <120> TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE  
EVERSE  
8 TRANSCRIPTASE GENE  
10 <130> FILE REFERENCE: 11362.0008.DVUS02 INNS008--3  
*12* <140> CURRENT APPLICATION NUMBER: US/09/943,983  
*13* <141> CURRENT FILING DATE: 2001-08-31  
15 <150> PRIOR APPLICATION NUMBER: ~~08/913,833~~ now US/6,087,093  
16 <151> PRIOR FILING DATE: 1997-09-15  
18 <150> PRIOR APPLICATION NUMBER: PCT/EP 97/00211  
19 <151> PRIOR FILING DATE: 1997-01-17  
21 <150> PRIOR APPLICATION NUMBER: EP 96870005.4  
22 <151> PRIOR FILING DATE: 1996-01-26  
24 <150> PRIOR APPLICATION NUMBER: EP 96870081.5  
25 <151> PRIOR FILING DATE: 1996-06-25  
27 <160> NUMBER OF SEQ ID NOS: 164  
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59 <211> LENGTH: 14  
60 <212> TYPE: DNA  
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--> 63 <220> FEATURE:

(global env)  
see item 11 on Env Summary Sheet

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001  
TIME: 13:08:01

Input Set : A:\ES.txt  
Output Set: N:\CRF3\09202001\I943983.raw

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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001  
 TIME: 13:08:01

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150 <212> TYPE: DNA
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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001  
TIME: 13:08:01

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001

TIME: 13:08:01

Input Set : A:\ES.txt

Output Set: N:\CRF3\09202001\I943983.raw

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280 agaactggaa gagga 15
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The types of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.



## VERIFICATION SUMMARY

DATE: 09/20/2001

PATENT APPLICATION: US/09/943,983

TIME: 13:08:02

Input Set : A:\ES.txt

Output Set: N:\CRF3\09202001\I943983.raw

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13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/943,983

DATE: 09/20/2001

TIME: 13:08:02

Input Set : A:\ES.txt

Output Set: N:\CRF3\09202001\I943983.raw

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